

Graeme Clark's Selected Scientific Publications Relevant to his Cochlear Implant Research

Books, Monograph, Refereed Invited Reviews, Refereed Scientific Papers,
Relevant Patents, Conference Papers and Abstracts

BOOKS =2

2000

1. Clark GM. (2000), Sounds from silence: Graeme Clark and the Bionic Ear story. Sydney: Allen & Unwin.

2003

2. Clark GM. (2003) Cochlear implants: Fundamentals and Applications. New York: Springer Verlag.

MONOGRAPHS =1

1987

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BOOK CHAPTERS - 50

1980

1. Clark GM, Black RC, Forster IC, Patrick JF, Tong YC. (1980), Design criteria of a multiple-electrode cochlear implant hearing prosthesis. In: Levitt H, Pickett JM, Houde R. Sensory aids for the hearing impaired IEEE Press :457-459.

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3. Black RC, Clark GM, O'Leary SJ, Walters CW. (1983), The auditory brainstem response in hearing and deaf cats by intra-cochlear electrical stimulation. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :153-157.
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8. O'Leary SJ, Black RC, Clark GM. (1983), Current distributions of intracochlear electrodes in cats. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :225.
9. Shepherd RK, Clark GM, Black RC. (1983), Physiological and histopathological effects of chronic intracochlear electrical stimulation. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :200-205.
10. Tong YC, Clark GM. (1983), A speech processing strategy for multiple-electrode cochlear implant prostheses. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :179-183.

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11. Clark GM, Tong YC. (1985), The engineering of future cochlear implants. In: Gray RF. Cochlear implants London : Croom Helm :211-228.

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12. Mecklenburg DJ, Dowell RC, Clark GM. (1987), Speech tracking - verfahrensweise und ergebnisse. In: Lehnhardt E, Hirshorn MS, eds. Cochlear implant Berlin : Springer Verlag :153-159.

1988

13. Brown AM, Clark GM, Dowell RC, Rickards FW. (1988), The Melbourne/Cochlear Multichannel cochlear implant. In: Nolan M, Tucker I, eds. Cochlear Implants: a practical guide London : Croon Helm

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14. Blamey PJ, Cowan RSC, Alcantara JI, Whitford LA, Clark GM. (1990), Tactile aids. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Churchill Livingstone :237-251.
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32. Clark GM, Shepherd RK. (1997), Biological safety. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :29-46.
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Speech processors for auditory prostheses
Principal Investigator GM Clark and Coordinator YC Tong

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1. Hearing Prosthesis - Improvements in Prosthesis
Inventors: G.M. Clark, J. Patrick, I. Forster, Y.C. Tong, R.C. Black.
Countries & Patent Nos.: Australia - 519,851 (3.11.77); Europe - 78.300567 (France, West Germany, The Netherlands, United Kingdom); Denmark - 78.4902; Japan - 1529582; U.S.A. - 4,267,410; Canada - 1,100,189; Italy - 69530A/78.
2. Hearing Prosthesis - Improved Electrode Array,
Inventors: G.M. Clark, J. Patrick, Q. Bailey
Countries & Patent Nos.: Australia - 529974 (4.5.78); Europe - 79300738.6; Denmark - 3890/79; Japan - 1348195; Canada - 1115352; U.S.A. - 035,839.
3. Hearing Prosthesis - Speech Processor,
Inventors: G.M. Clark, J. Patrick, J. Millar, P.M. Seligman, Y.C. Tong
Countries & Patent Nos.: Australia - 535,489 (19.12.79); Europe - 80901001.0 (U.K, West Germany, France, Sweden, Italy, The Netherlands); Japan - Application No. 55-501189; U.S.A. - 4,441,202; Canada - 1,165,884.
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Inventors: G.M. Clark, J. Patrick, J. Millar, P.M. Seligman, Y.C. Tong
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5. Hearing Prosthesis - Receiver/Stimulator
Inventors: H. McDermott, P.J. Blamey, R.C. Black, G.M. Clark, D. Money, J.F. Patrick, Y.C. Tong.
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6. Hearing Prosthesis -Prosthetic (“Flippy Tip”) Electrode Array
Inventors: G.M. Clark & H.-G.B. Franz.
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Inventors: P.J. Blamey, G. Dooley, G.M. Clark, P. Seligman
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8. Cochlear Implant Devices
Inventors: G.M. Clark, L.T. Cohen, P.J. Busby
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9. Curved Electrode Array, or
Curved 22-Channel Intracochlear Electrode Array
Inventors: S.-A. Xu, J. Xu, H.L. Seldon, F.J.P. Nielsen, G.M. Clark, R.K. Shepherd
Patent No. Australian Provisional Patent: PL3078 (22.6.92)
International Patent Application No. PCT/AU/93/00291 (22.12.94).
10. Cochlear Implant System for Residual Hearing Stimulation
Inventors: A. Vandali, G.M. Clark
Sound Processing System for Hearing Impaired Persons Having Some Residual Hearing
Australian Provisional Patent: PM 4365 (22.3.94).
11. Transient Emphasis Speech Processing
Inventors: A. Vandali, G.M. Clark
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12. Multiple Pulse Stimulation
Inventors: L. Irlicht, G.M. Clark
Multiple Pulse Per Period (MP3) Electrical Stimulation Strategy for Cochlear Implants
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Inventors: P. Jones, G.M. Clark
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14. Electrotactile Vocoder “Tickle Talker”
Inventors: P. Blamey, G.M. Clark

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15. Improved Cochlear Implant Receiver-Stimulator Package
Inventor: G.M. Clark
Australian Provisional Patent: PO3875.
16. Cochlear Implant Electrode Fixing Device
Inventors: B. Pyman, G.M. Clark
Australian Provisional Patent: PO3876.
17. Implantable Eardrum Sensor
Inventors: D. Au, G.M. Clark
Australian Provisional Patent Application No. PM8947.
18. Implantable Hearing Aid or Cochlear Implant Device
Inventors: A. Zhang, G.M. Clark
Provisional Patent granted 28.11.96
19. A Travelling Wave Sound Processor
Inventors: P. Blamey, H. McDermott, B. Swanson, J. Patrick, G.M. Clark
Australian Provisional Application No. PQ8205 International Application No. to be notified (Filing Date: 2001)
20. Improved Sound Processor for Cochlear Implants
Inventors: D.B. Grayden and G.M. Clark
International Patent Application No. PCT/AU00/01038